Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/04/2015 10:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124332	-1	5.44	123944	5.43
Blue	F	SSC	125000	124108	-1	3.00	124996	2.67
Blue	E	FITC	17224	16863	-3	2.62	951	9.59
Blue	D	PE	22462	21963	-3	2.21	992	8.85
Blue	B	PerCP-Cy5-5	63940	63068	-2	2.92	1654	14.37
Blue	A	PE-Cy7	72480	71455	-2	4.11	922	26.70
Red	C	APC	63778	63116	-2	2.58	3567	8.04
Red	A	APC-Cy7	97254	96064	-2	2.66	1897	7.89
Violet	B	V450	10730	10367	-4	3.57	644	8.63
Violet	A	V500	42147	41290	-3	3.23	2331	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18713	30.17	625	5	N/A	N/A	Pass
Blue	F	SSC	61998	1.72	530	3	N/A	N/A	Pass
Blue	E	FITC	103	36.65	541	2	0.0215	102	Pass
Blue	D	PE	205	26.80	534	2	0.1498	167	Pass
Blue	B	PerCP-Cy5-5	199	42.24	619	5	0.0094	0	Pass
Blue	A	PE-Cy7	66	111.85	678	5	0.0131	18	Pass
Red	C	APC	333	25.83	583	-1	0.0216	0	Pass
Red	A	APC-Cy7	120	37.06	564	-1	0.0049	649	Pass
Violet	B	V450	68	44.93	476	2	0.0396	1852	Pass
Violet	A	V500	152	22.24	506	3	0.0135	152	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.45	-31.19	0.69
Blue	20.47	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.16
Red	15.71	13.09 - 19.63	N/A	N/A	31.74	31.90	1.07

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10702

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments